Lexus GS 350

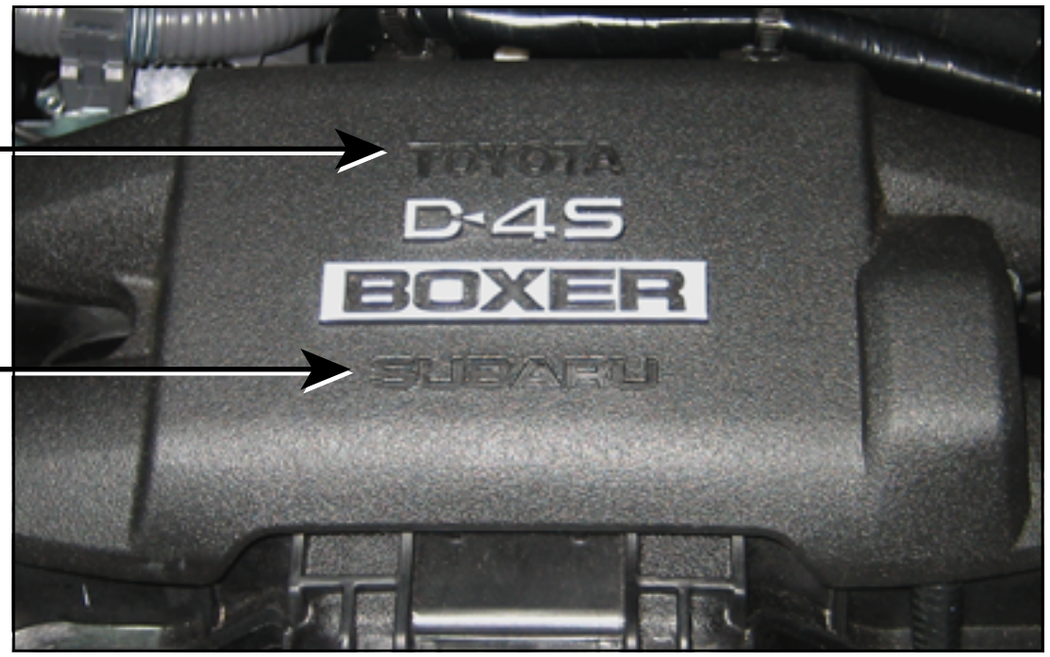
■ = 1,500 MPa Steel

- 1,500 MPa steel on B-pillar, roof rail
  - strongest steel to date on Lexus or Toyota
- Aluminum hood, door skins, bumper reinforcement
- Sectioning procedures on front/rear rails, outer pillars, rocker panels

Lexus GS 450h – The Hybrid Version

- Vertically stacked nickel-metal hydride battery for more trunk room
- Night view system option with infrared lamps part of the headlamp assemblies

New Scion For 2013: FR-S



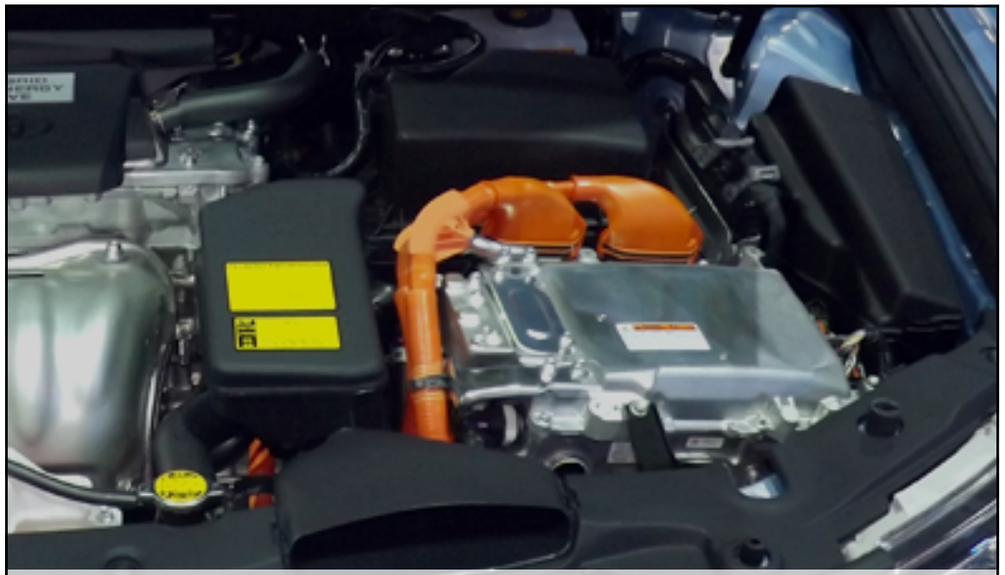
- Engine/platform joint effort with Subaru
- 1,500 MPa steel on B-pillar roof crossmember
- 980 MPa steel on B-pillar and roof rail reinforcements, and front roof crossmember
- Several sectioning procedures

Toyota Prius Family Grows

- Prius C for “city”
- 4th Prius
- Based on Yaris platform
- Aluminum hood and rear hatch
- 144-volt NiMH battery under the back seat

Toyota Camry Hybrid Cable Routing

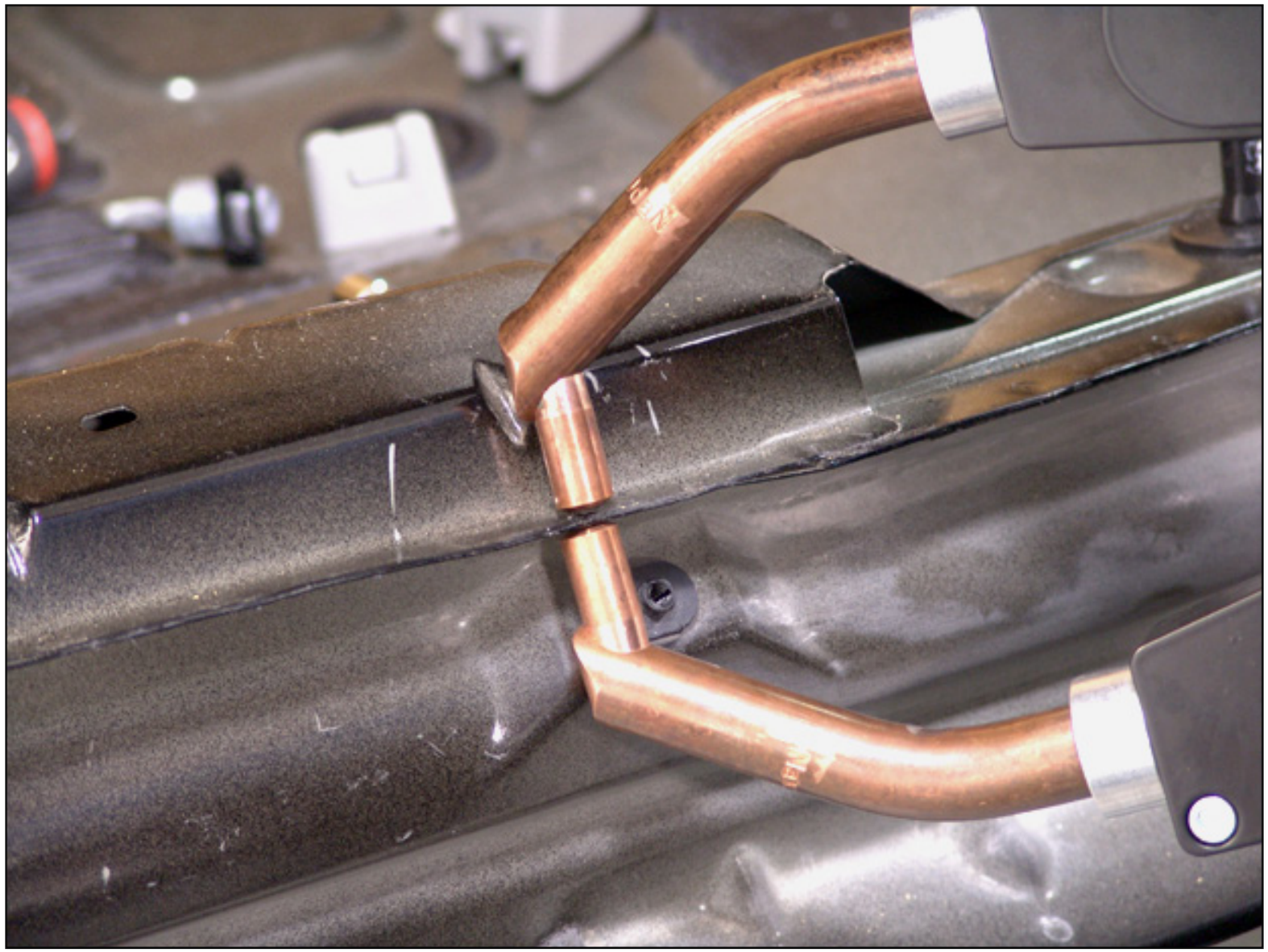
2007



2013

- High voltage connections to hybrid inverter/ converter
- Formerly in front, in potentially vulnerable position
- Connection now on the backside

Toyota Welding Substitutions



- **Bulletin authorizes spot welds for repairs calling for GMA (MIG) plug welds**
- **Must match factory size, strength, and appearance**
  - **destructive test**
  - **resize tips if necessary**

Video: Tech/Trends Trivia